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NPIC PUBLICATIONS GUIDE

For
Producers of Third-Phase Exploitation Reports
Under
THE NATIONAL TASKING PLAN

MARCH 1969

25X1

COPY 104
64 PAGES

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MAY 69

WARNING

This document contains information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive information in the designated control channels. Its security must be maintained in accordance with regulations pertaining to TALENT-KEYHOLE Control System.

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INTRODUCTION

The NPIC Publications Guide for Producers of Third-Phase Exploitation Reports under the National Tasking Plan is published by the Reprographics Division, Production Services Group, National Photographic Interpretation Center, to aid organizations performing basic support exploitation under the National Tasking Plan. It outlines the preparation of intelligence material for Basic Imagery Interpretation Briefs and Reports in four parts:

- I. Publication Aids--items supplied by the contributor to facilitate production but not included in the finished publication.
- II. Report Data--guidelines for preparing textual portions of the publication.
- III. Graphics--samples of and preparation instructions for various graphics.
- IV. Sample Reports--samples of a completed Basic Imagery Interpretation Brief (BIIB) and a Basic Imagery Interpretation Report (BIIR).

The instructions given in this manual are compatible with specifications established by the COMIREX in the National Standard Formats for Basic Imagery Interpretation Reports and Briefs. These documents are referred to as the NSF in the Publications Guide. The NSF and the Glossary of NPIC Terminology, NPIC/R-126/67 (CONFIDENTIAL), will be necessary references for each contributor.

Material to be prepared for publication by NPIC should be arranged in the order presented in this manual and sent to NPIC/PSG/RD, Graphics Branch,

The entire publication package (text and graphics roughs and camera copy) will be returned to the contributor after the report is disseminated.

In addition to the information supplied in this manual, the Graphics Branch will provide further assistance at the request of contributors. This will include answering inquiries on techniques or procedures as well as preparing selected graphics items which the contributor is unable to produce.

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SECTION I.

PUBLICATION AIDS

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ZSA**SECTION I. PUBLICATION AIDS****Request for NPIC Publications Support**

Form 525 (Figure 1) was designed to help predict the NTP production workload and facilitate scheduling. One copy should be sent to NPIC/PPBS/Chief, Requirements and Analysis Division 30 days before NPIC receives the actual report. A second copy should be included within the report package.

The completed form should contain the following information as explained in the NSF.

1. Title
2. Country
3. Classification. The classification given here will appear on the finished publication. Ensure its accuracy and include dissemination control information.
4. Report Number (assigned by NTP contributor)
5. Control Number (assigned by NTP contributor)
6. Format
7. Size. Select the page size for each report according to the following specifications.

Letter size (Figure 2)

- a. Overall page: 8'' horizontal x 10 1/2'' vertical.
- b. Working area: 6 1/4'' horizontal x 7 7/8'' vertical.
- c. Vertically oriented graphic: 6 1/4'' horizontal x 7 11/16'' vertical, plus 3/16'' caption space.
- d. Turn-page graphic: 7 7/8'' horizontal x 6 1/16'' vertical, plus 3/16'' caption space.

Legal size (Figure 3)

- a. Overall page: 8 1/2'' horizontal x 14'' vertical.
- b. Working area: 6 3/4'' horizontal x 11 3/4'' vertical.
- c. Vertically oriented graphic: 6 3/4'' horizontal x 11 1/2'' vertical, plus 1/4'' caption space.
- d. Turn-page graphic: 11 3/4'' horizontal x 6 1/2'' vertical, plus 1/4'' caption space.
8. Estimated Date of Submission to NPIC
9. Contents. Indicate the number of items in each of the categories.

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10. Remarks. Note any requirements for editing, layout or graphic production.
11. NTP Contributor
12. Person to be contacted
13. Phone

Caption List

Prepare a caption list which includes a figure number and caption for every graphic item in the report. Figures are usually numbered in the order of their textual reference, and any necessary variation in this order should be explained in item 10 above.

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CLASSIFICATION

REQUEST FOR NPIC PUBLICATION SUPPORT

Date Received In NPIC (PSG) _____

NPIC Project No. _____

To Be Filled In By NTP Contributor

Title Mayang-do Submarine Base		Country North Korea	
Classification TOP SECRET RUFF		Report No. RDA-06/0003/69	Control No. <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Format <input type="checkbox"/> Brief <input checked="" type="checkbox"/> Report	Size <input checked="" type="checkbox"/> Letter (8 x 10½) <input type="checkbox"/> Legal (8½ x 14)	Estimated Submission Date To NPIC 16 August 1968	
Contents <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> No. of Photos <u>1</u> No. of Line Drawings <u>1</u> No. of Maps <u>1</u> </div> <div style="width: 45%;"> No. of Manuscript Pages <u>4</u> No. of Tabular Pages <u>2</u> Other _____ </div> </div>			
Remarks/Special Instructions			
NTP Contributor DIAAP-9		Person To Be Contacted Jim Smith	Phone <div style="border: 1px solid black; height: 20px; width: 100%;"></div>

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IP FM 525 (7/68)

Figure 1. Request for NPIC Publication Support 5

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CLASSIFICATION

[illegible]

CONTROL SYSTEM		TOP	CLASSIFICATION		TCS:00000/67								
			DISSEMINATION										
OVERALL IMAGE AREA 11½ X 6½													
							CENTER LINE						
VERTICAL GRAPHIC: 6¾ X 11½													
CAPTION ON THIS LINE													
PAGE NUMBER													
CLASSIFICATION			CONTROL SYSTEM										
DISSEMINATION													

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Figure 3
Legal-size Page

SECTION II.

REPORT DATA

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SECTION II. REPORT DATA

This section covers the preparation of report material other than graphics. Reports must be in accord with COMIREX specifications as prescribed in the NSF.

Cover

The following information is required on every cover.

1. Security classification and dissemination control
2. Installation, BE number, functional category name, and geographic or political entity
3. Document security control number (if applicable)
4. Report identification number
5. Special handling instructions
6. Classification downgrading instructions
7. Publication date
8. Identification of producing agency and office

The NTP Report Cover Information Form is shown in Figure 4, page 11. Copies of this form are available from NPIC/PPBS/Chief, Requirements and Analysis Division.

Data Control Block

The data control block is a preprinted form which appears on the first page of BIIR and BIIB report text. It must be completed according to COMIREX specifications. A sample is shown in Figure 5, page 12. Quantities of this form may be obtained from NPIC/PPBS/Chief, Requirements and Analysis Division.

Abstract

The abstract should be prepared in accordance with COMIREX requirements.

Text**1. BIIB**

The final copy of BIIB text may be prepared by the contributor; however, NPIC will accept a draft which meets the manuscript requirements listed below and prepare the

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finished copy. Paper with control block and margin outlines may be obtained from the Graphics Branch, extension Final copy should be single-spaced, beginning two lines under the preprinted data control block. An electric typewriter equipped with a plastic or paper ribbon gives maximum image density and sharpness. If an inset map is to be used, the space outlined in blue should be left blank. The report identification number and control number should be typed in the upper righthand corner. A sample is shown on page 12.

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2. BIIR

BIIR text manuscript (see Figure 6, page 13) must meet the following requirements.

- a. Copy must be typed, double-spaced with one-inch margins, on one side of 8'' by 10½'' paper.
- b. Each page must bear a page number, the report number, and the proper classification.
- c. Handwritten corrections to the typed copy should be printed and in agreement with the proofreader's marks shown in Figure 7, page 14.
- d. Abbreviations of terms must initially appear as follows: motor torpedo boat (MTB).
- e. Indentions, footnotes, capital letters, signs, symbols, etc., must be clearly indicated.
- f. The appropriate heading degrees (1 through 4 only) must be indicated.

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(CLASSIFICATION)

NTP REPORT COVER INFORMATION			
INFORMATION MUST BE ENTERED ON THIS FORM EXACTLY AS IT IS TO APPEAR ON THE FINISHED PUBLICATION			
Report No. RDA-06/0003/69	Control No. (if Applicable) 	<input type="checkbox"/> BIIB <input checked="" type="checkbox"/> BIIR	<input checked="" type="checkbox"/> LETTER <input type="checkbox"/> LEGAL
Title Mayang-do Submarine Base		BE No. 	
Functional Category Naval Base Facilities		Country North Korea	
Classification/Control TOP SECRET RUFF			
Special Handling Instructions 		Producing Agency DIAAP-9	

IP FM 528 (8-68)

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(CLASSIFICATION)

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Figure 4. NTP Report Cover Information

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Odessa DM Launch Complex A25-5

UR

UTM COORDINATES

GEOGRAPHIC COORDINATES

36TUS105434

46-24-40N 030-32-20E

MAP REFERENCE

ACIC. USATC 200, Sheet M0250-8HL, 4th ed, Oct 65, Scale 1:200,000 (SECRET)

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25X1

INTRODUCTION

Odessa DM Launch Complex A25-5 is newly identified in an early stage of construction approximately 7 nautical miles (nm) southwest of Odessa. The complex is oriented in a southeasterly direction and is at a ground elevation of approximately 100 feet. An air warning radar facility is situated approximately 6.8 nm north-northeast of the complex. This facility predates construction of the complex, and their association cannot be confirmed.

INSET MAP AREA: Leave sufficient space for inset map as indicated by country

USSR MAP SIZE

KOREA MAP SIZE

BASIC DESCRIPTION

At present the site consists of one launch site (designated Site A), a site access road, a cleared area for the site control center, a portion of the launch area main road, and a perimeter fenceline. The configuration of the fenceline suggests that the complex will contain three launch sites. Several excavations are identified adjacent to the launch area main road, in the intended support area.

REFERENCE DATA

MAP

ACIC. USATC 200, Sheet M0250-8HL, 4th ed, Oct 65, Scale 1:200,000 (SECRET)

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END OF TYPING AREA FOR TEXT OR GRAPHIC CAPTION

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RDA-06/0003/69

Page 2 of 4

Related Installations

Mayangdo-ri Naval Repair Yard [] is just over the hill, approximately 800 yards west of the installation. Other significant military activities ^{within the vicinity} are Sinpo Sam Site A09-2 [] Sinpo Naval Facility [], Soho-ri Army Barracks [] and Chahonodongjagu Port Facilities []

BASIC DESCRIPTION

Physical Features

The lack of security fences precludes establishment of exact limits for the base. It appears, however, to be irregular-shaped and to occupy ^{x e} approximately 50 acres on the west shore of a bay. The majority of buildings/structures that comprise this activity have been constructed in four small valleys.

The principal facilities at the base can ^e be separated into four well-defined functional areas as follows:

- A. Logistical support area, located at the north end of the base. It consists of one pier, six buried POL tanks, two possible cave entrances, two support sheds, two workshops, one probable POL pumphouse, and one probable security shed. The pier is probably concrete; the pier approach is masonry and concrete.
- B. Headquarters area, just south of the logistical support area. It contains one probable headquarters, one quarters, one probable utility building, and a probably concrete marginal wharf.
- C. Training area, just south of the headquarters sector. It consists

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PROOFREADER'S MARKS *

○	Insert period	<i>Caps.</i>	Caps—used in margin
^	Insert comma	≡	Caps—used in text
:	Insert colon	<i>C+sc</i>	Caps & small caps—used in margin
;	Insert semicolon	≡	Caps & small caps—used in text
?	Insert question mark	<i>l.c.</i>	Lower case—used in margin
!	Insert exclamation mark	/	Lower case—used in text
=/	Insert hyphen	<i>w.f.</i>	Wrong font
∨	Insert apostrophe	⊂	Close up
∨∨	Insert quotation marks	⊗	Delete
☆	Insert 1-en dash	⊗	Close up and delete
☆	Insert 1-em dash	⊙	Correct the position
#	Insert space	⌋	Move right
<i>ld></i>	Insert lead	⌈	Move left
<i>skill</i>	Insert virgule	⌈	Move up
✓	Superior	⌋	Move down
^	Inferior		Aline vertically
(/)	Parentheses	=	Aline horizontally
[/]	Brackets	⌋⌈	Center horizontally
□	Indent 1 em	⌈⌋	Center vertically
□□	Indent 2 ems	⌋	Push down space
¶	Paragraph	⌋	Use ligature
<i>no¶</i>	No paragraph	<i>eq. #</i>	Equalize space—used in margin
<i>tw</i>	Transpose—used in margin	✓✓✓	Equalize space—used in text
~	Transpose—used in text	✓	Decrease space
<i>sp</i>	Spell out	<i>stet.</i>	Let it stand—used in margin
<i>ital</i>	Italic—used in margin	Let it stand—used in text
—	Italic—used in text	⊗	Dirty or broken letter
<i>b.f.</i>	Boldface—used in margin	<i>run over</i>	Carry over to next line
<i>~~~~</i>	Boldface—used in text	<i>run back</i>	Carry back to preceding line
<i>s.c.</i>	Small caps—used in margin	<i>Copy out</i>	Something omitted—see copy
≡	Small caps—used in text	<i>Qu? (?)</i>	Question to author
<i>rom.</i>	Roman type	^	Caret—General indicator used to mark exact position of error in text.

* GPO STYLE MANUAL

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Tables

Each table should be typed on a separate page. If the table is to appear within the report body, its suggested position should be noted on form 525.

A sample table draft is shown in Figure 8, page 16. It meets the following requirements for submitting text tables.

- A. Copy is typewritten.
- B. Headings are enclosed by ruled horizontal and vertical lines.
- C. Alignment of columns, indentions, centering, etc. are indicated.
- D. Copy is written exactly as it is to appear in the finished publication.
- E. Abbreviations are those appearing in the Glossary of NPIC Terminology.

References

All references should be listed on the last manuscript page. Appendix 3 of the NSF outlines the style and order in which references should be prepared.

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The following functional analysis is keyed to Figure 3:

Item	Function	Dimensions (ft)	Floorspace (sq ft)	Remarks		
LOGISTICAL SUPPORT AREA						
1	Prob security shed	15 x 15	225	----		
2,3	Poss cave entrance			----		
4	Buried POL tanks			6 tanks		
5	Prob POL pumphouse			----		
6	Pier			w/ 2 poss security sheds		
7	Spt shed			----		
8	Spt shed			----		
9	Workshop			Drive-in bldg w/gable roof		
10	Workshop			w/gable roof		
HEADQUARTERS AREA						
11	Quarters			----		
12	Prob hq			----		
	sec a			----		
	sec b			----		
	sec c			----		
	sec d			----		
13	Prob utility bldg			w/stack adj to bldg; small monitor on roof		
14	Marginal wharf			----		

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SECTION III.

GRAPHICS

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INTRODUCTION

This section contains guidelines for the preparation of BIIR and BIIB graphics in rough and finished stages of production.

Required Graphics Information

Graphics submitted for production under the NTP must have the following information accurately and legibly shown on each item.

Classification - at top and bottom of each item.

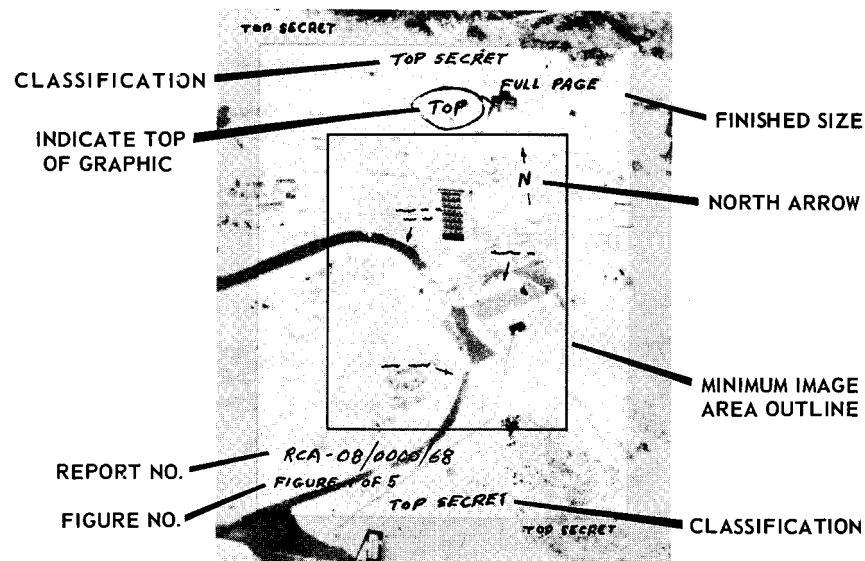
Report identification number.

Figure number - in order of appearance.

Finished size - size the graphic will be in its final form.

North arrow - graphic oriented with north arrow pointing up unless obliquity or sizing of graphic will not permit.

Minimum image area outline - leave a one-inch margin outside the outline for sizing, masking, or cutting.

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Legends

Legends will be presented in the following order when printed:

Railroads -- double track, single track, narrow gauge, electric

Roads -- primary, secondary, track, trail

Linear symbols -- powerlines, pipelines, fences, etc.

Special symbols -- buildings, revetments, equipment, etc.

Scales may be shown in feet, meters, and statute or nautical miles. They are best presented in numbers divisible by five.

Symbols

In addition to the standard international cartographic symbols, other symbols developed in response to widely divergent requirements will be used. These have been published in the Glossary of NPIC Terminology.

Color

Color, when used with discretion, clarifies and supplements the information presented on a graphic. Black is a base color and customarily shows earliest known target coverage. Items of special interest and most recent target coverage can be highlighted by using red.

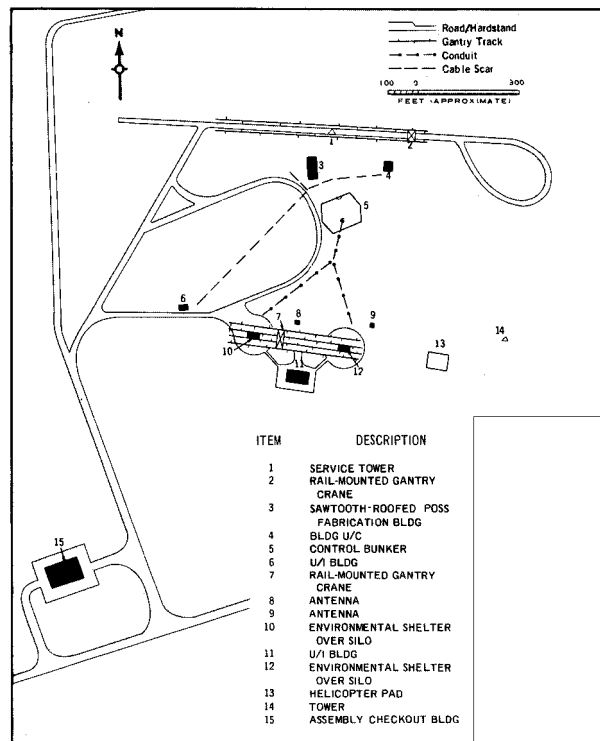
Color must be used economically, however, and each additional color increases production costs. Patterns of black and white or tone variations can be as effective as a variety of colors, and they are easier to produce.

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Numbering

Items on a line drawing should be clearly numbered and indicated. Leaders should obviously point to one item only. Numbering usually starts from the upper left hand corner and continues from left to right on down the page.

Refer to the preceding page for the presentation of scales, legends, etc.

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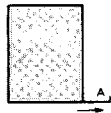
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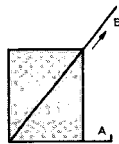
Sizing

Graphic roughs submitted for production should be the same size as their final printed form whenever possible. This will eliminate preliminary reduction or enlargement and speed production. It is often necessary, however, to change the original size to conform to page specifications. If it is inconvenient to draw an illustration to the scale at which it will be reproduced, the area or size designated can be enlarged or reduced proportionately.

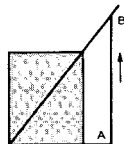
Estimating the final size in the planning stages assures that the correct proportion can be easily produced. This procedure is outlined below.



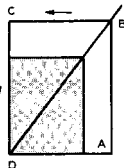
1. Assuming that the gray area represents a graphic to be enlarged, extend the base line to the desired width, point A.



2. Draw a diagonal line across the graphic, extending it beyond the new width.



3. Using the T-square and triangle, draw a vertical line to intersect the diagonal at point B.



4. Complete the enlarged figure by drawing a horizontal line from intersection B to point C; then connect points C and D.

This procedure can be reversed when a scaled reduction is desired.

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PHOTOGRAPHY

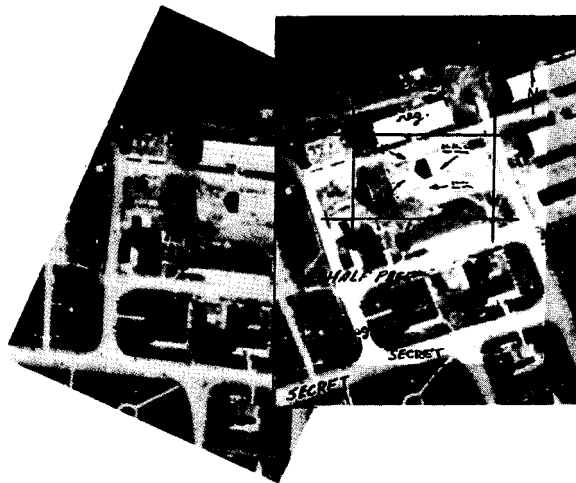
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PHOTOGRAPHY

The following guidelines will facilitate the production of photography for the BIIR and BIIB.

- Check photo quality. Print must be clear and sharp with good tonal contrast.
- Do not submit photographs which must be reduced or enlarged more than 60 percent.
- Supply semigloss photos on single-weight paper.



- Submit two prints. Attach a frosted acetate or tracing paper overlay to one print to record all of the desired intelligence information. The other print will be used for final production. Include all required graphics information (see page 17).
- Register overlay with photography by outlining a prominent road or building (as shown in the figure above).
- Indicate minimum area limits. Leave at least one inch on all sides for adjustments.

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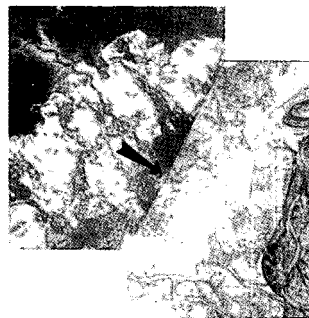
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Photo Mosaics

Photo mosaics are best made from photographs of matching tonal quality (Sample A). When tones do not match, a sharp line is evident along the area of mosaic overlap (Sample B).

SAMPLE A**SAMPLE B****Annotations**

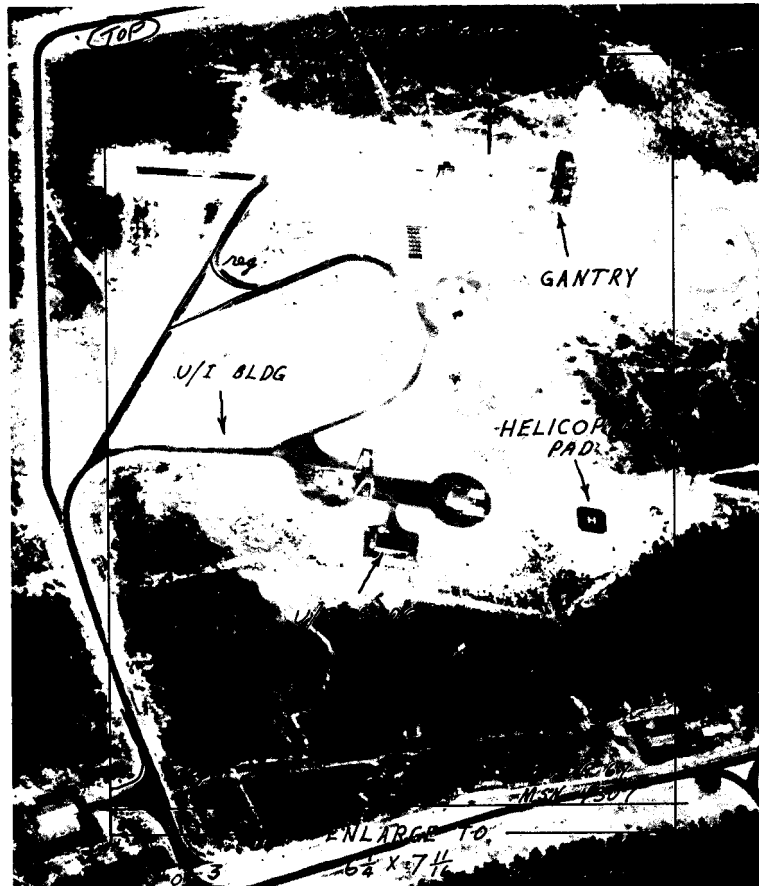
To avoid cluttering photos, only items of pertinent intelligence value should be noted. Delete all distracting annotations. Position leaders (arrows) carefully to point only to the item desired and to avoid covering other items of interest.

All annotations must be correctly spelled or abbreviated.

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**Sample Rough**

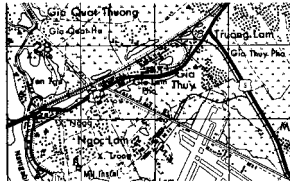
The above figure is a sample rough. Note the margin of photography (at least one inch on all sides) for cutting and masking. The requested format size and size of finished graphic are indicated; annotations are correct and legible; registration marks position the overlay; the area outline is clearly defined; and all required information is indicated.

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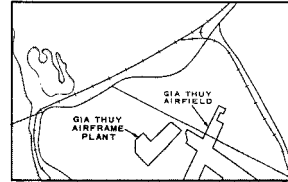
MAPS

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MONOTONE



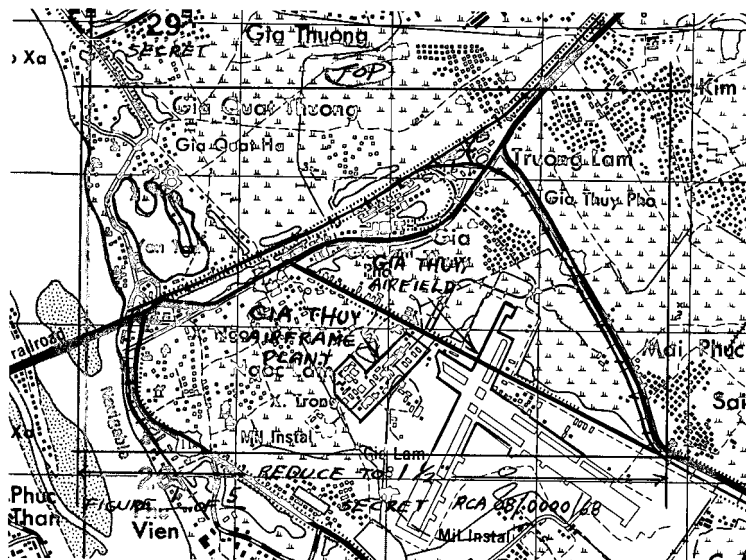
LINE DRAWING

MAPS

The location map should be selected according to the size and importance of the target and the density of targets in the surrounding area.

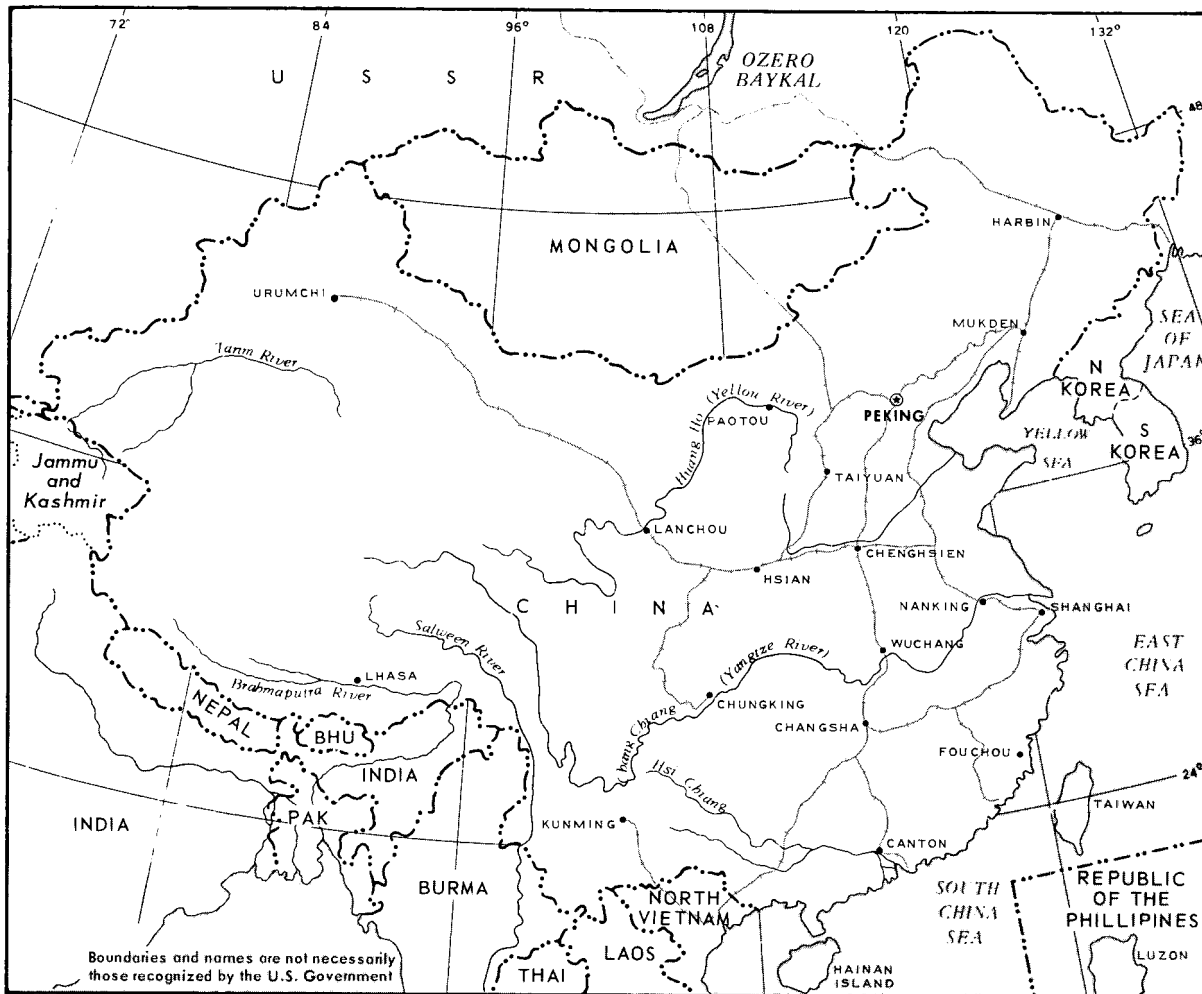
Two types of location maps can be used in reports: 1) a monotone photographic reproduction of a standard map and 2) a line drawing which shows only the important features of the standard map, thus highlighting the target area.

All pertinent information and the suggested image area outlines should be recorded on tracing paper attached to the map. Items to be labeled should be very clearly marked and pinpointed with an arrow.



SAMPLE ROUGH FOR LINE DRAWING MAP

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NPIC has developed approximately 70 preprinted and ready-to-use base maps, similar to the one shown above. Maps with either conventional or native spellings have been prepared to meet the requirements of the different contributors. Whenever possible, information will be transferred to one of these maps to expedite production and reduce costs.

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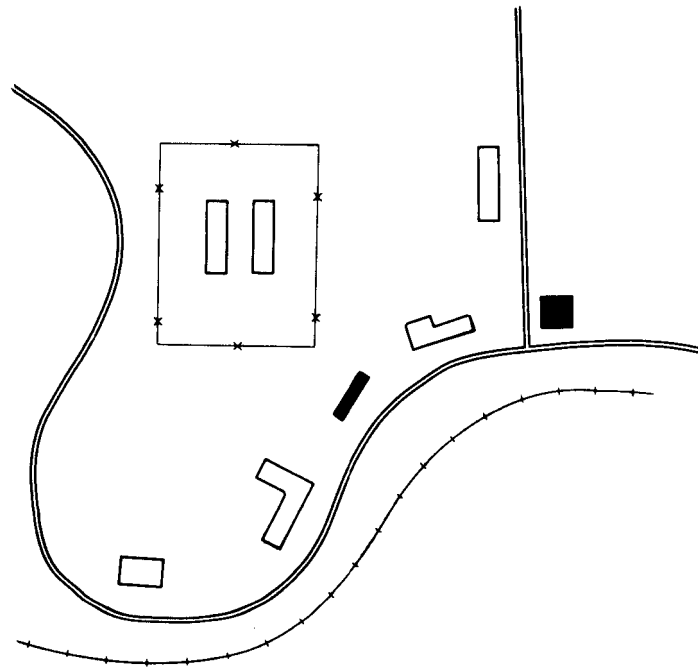
25X1

LINE DRAWINGS

TOP SECRET RUFF25X1
25X1**LINE DRAWINGS**

It is important that line drawings be submitted at their final size. Because NPIC uses a negative scribing technique, reduction and enlargement require costly manhours and should be avoided. Occasionally an oversize line drawing cannot be reduced because of extensive detail. In this case a foldout page is recommended, but the page should fold out in only one direction.

Line drawings must meet the graphics requirements on page 17. A sample rough is shown on page 28.

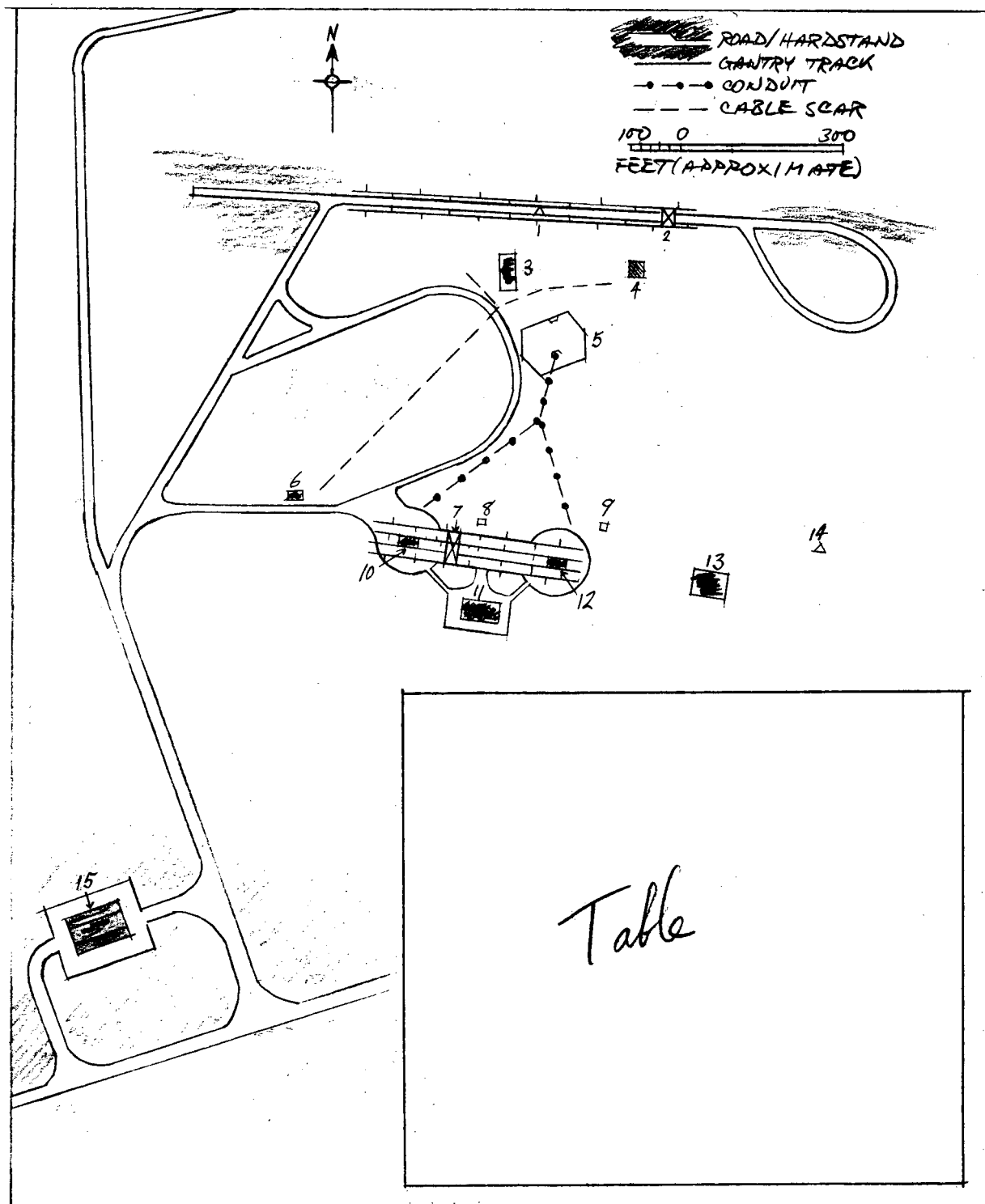
**Materials**

Line drawings should be prepared on translucent material to allow image transfer for scribing. Frosted acetate or dura-trace is recommended; lightweight materials such as tracing paper are unsatisfactory. If the line drawing is on opaque material, a film positive should be submitted along with the original.

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SAME SIZE (FULL PAGE)

6 1/4 x 7 11/16

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28

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FIG. 1 of 1

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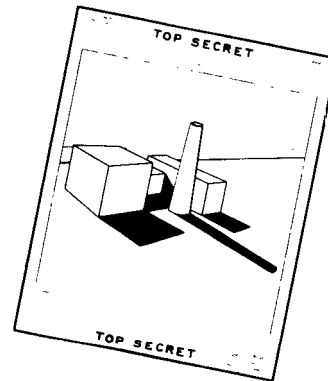
--

PERSPECTIVES

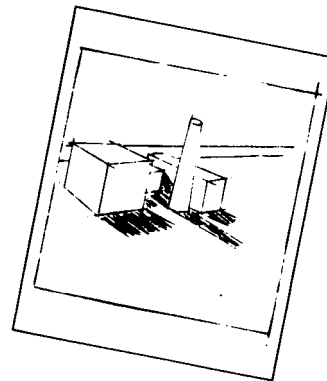
TOP SECRET RUFF**PERSPECTIVES**

When there is no photography of quality suitable for reproduction, perspectives or artist's concepts are often the best means of conveying information. These drawings can be submitted in three different stages of production: finished perspectives, rough sketches, and plan and elevation views. The latter two should be accompanied by any available photography (preferably stereo pairs) and mensural data.

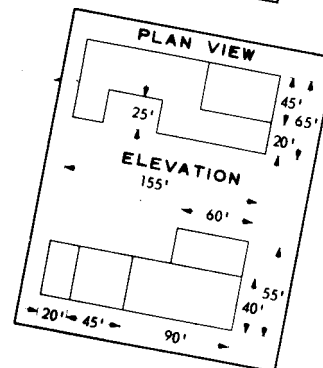
1. Finished perspective--any completed drawing done by a professional artist in a medium suitable for offset reproduction.



2. Rough sketch--a drawing showing the angle, height, and configuration of the subject.



3. Plan and elevation views--outlines of the subject plus height, width, and length dimensions.

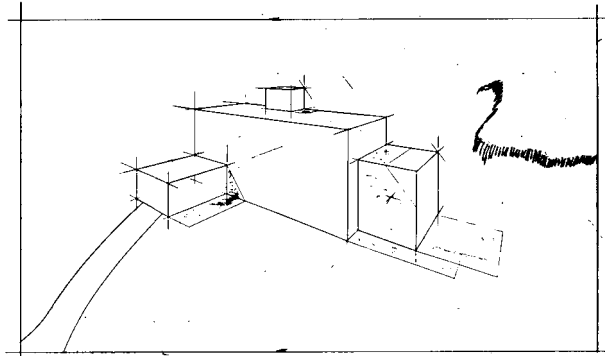
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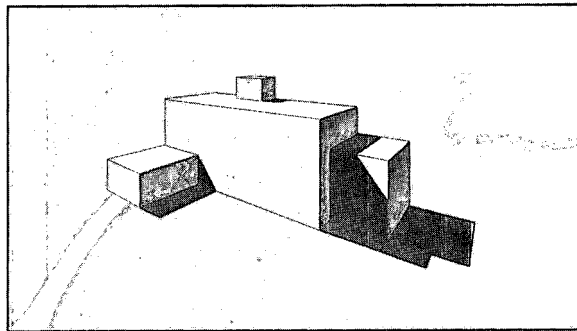
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Samples

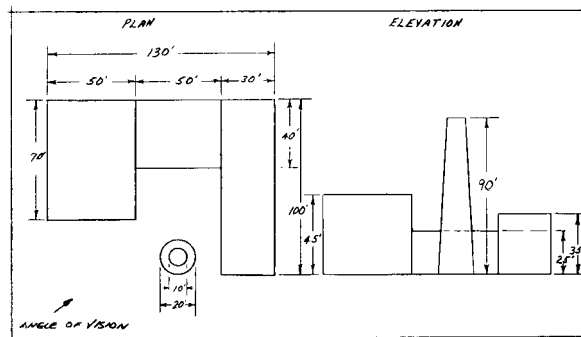
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ROUGH



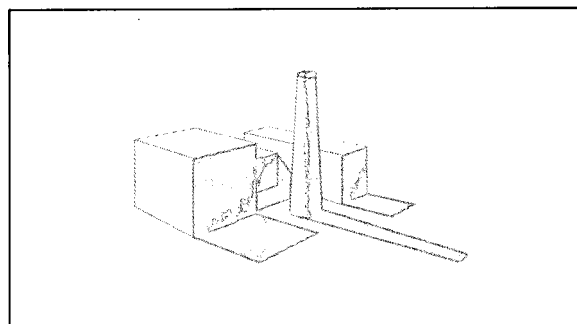
FINISHED
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COMPOSITES

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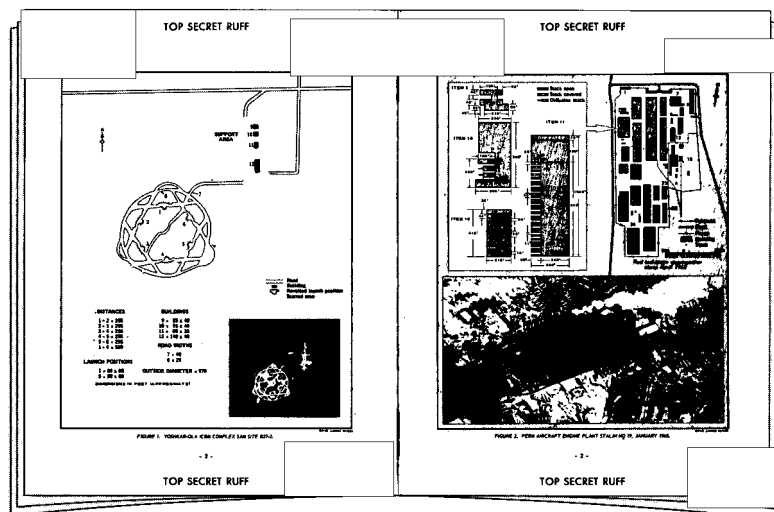
COMPOSITES

A composite is a combination of two or more graphics items, one usually superimposed upon the other.

A small photo or map set within the border of a larger graphic is an example of a simple composite. This technique is frequently used to locate, highlight, and compare items of intelligence value.

A more complex combination might include a photo showing a site and its immediate environment, a line drawing of the site, and a larger scale plan view or perspective of a significant portion of the site. This provides a more thorough and convenient intelligence study, as the information of the different graphic forms can easily be compared and evaluated. The separate items must be carefully selected to complement one another. When correctly coordinated, this type of graphic is very effective.

If a report contains graphics which might be suitable for a composite, this should be noted on the Request for NPIC Publication Support (page 5). The graphics items should be submitted individually, however, and a graphical analysis officer will coordinate their arrangement.

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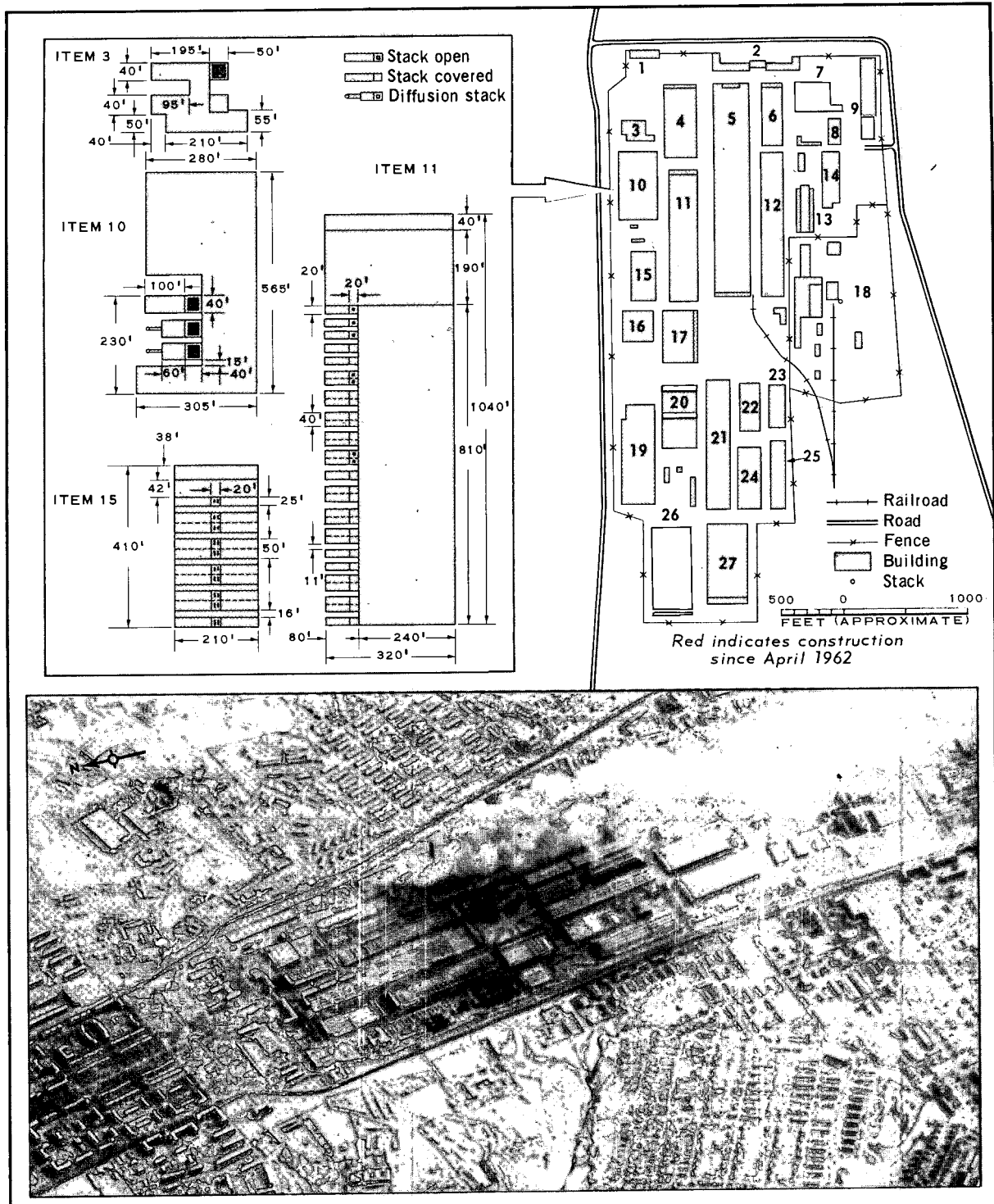
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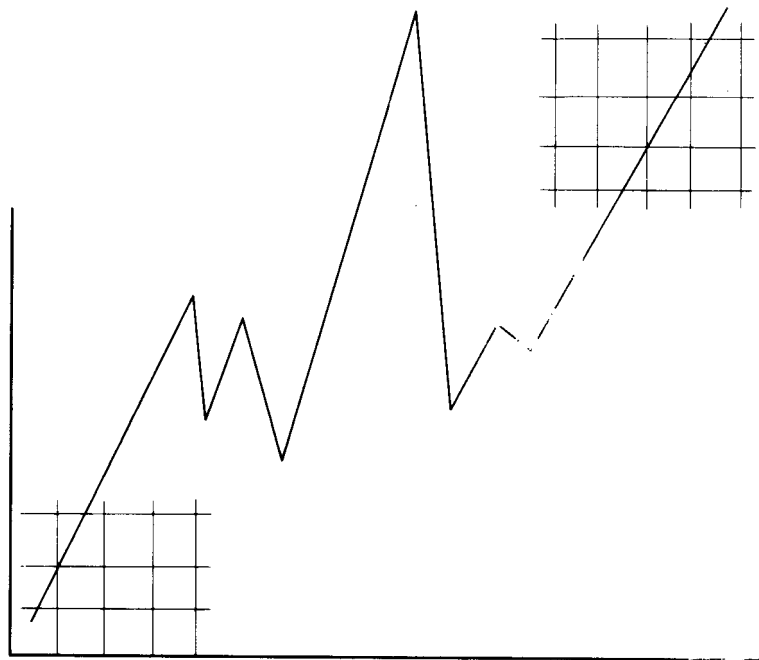


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CHARTS AND GRAPHS

TOP SECRET RUFF**CHARTS AND GRAPHS**

Data can be graphically presented in linear schematics or bar graphs. If one of these graphic forms is required for a BIIR or BIIB, accurate statistics must be provided. A penciled rough may also be included.

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SECTION IV. SAMPLE REPORTS

IV

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BCA-04/0000/69

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Basic Imagery Interpretation Brief



**NATIONAL
PHOTOGRAPHIC
INTERPRETATION
CENTER**

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ODESSA DM LAUNCH COMPLEX A25-5

25X1

DEPLOYED AAA--SAM FACILITIES

USSR

SEPTEMBER 1968

COPY NO.

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AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Odessa DM Launch Complex A25-5		UR
UTM COORDINATES	GEOGRAPHIC COORDINATES	
36TUS105434	46-24-40N 030-32-20E	
MAP REFERENCE		

25X1

ACIC. USATC 200, Sheet M0250-8HL, 4th ed, Oct 65, Scale 1:200,000 (SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

25X1

INTRODUCTION

Odessa DM Launch Complex A25-5 is newly identified in an early stage of construction approximately 7 nautical miles (nm) southwest of Odessa. The complex is oriented in a southeasterly direction and is at a ground elevation of approximately 100 feet. An air warning radar facility is situated approximately 6.8 nm north-northeast of the complex. This facility predates construction of the complex, and their association cannot be confirmed.

**BASIC DESCRIPTION**

At present the site consists of one launch site (designated Site A), a site access road, a cleared area for the site control center, a portion of the launch area main road, and a perimeter fenceline. The configuration of the fenceline suggests that the complex will contain three launch sites. Several excavations are identified adjacent to the launch area main road, in the intended support area.

REFERENCE DATA

25X1

MAP

ACIC. USATC 200, Sheet M0250-8HL, 4th ed, Oct 65, Scale 1:200,000 (SECRET)

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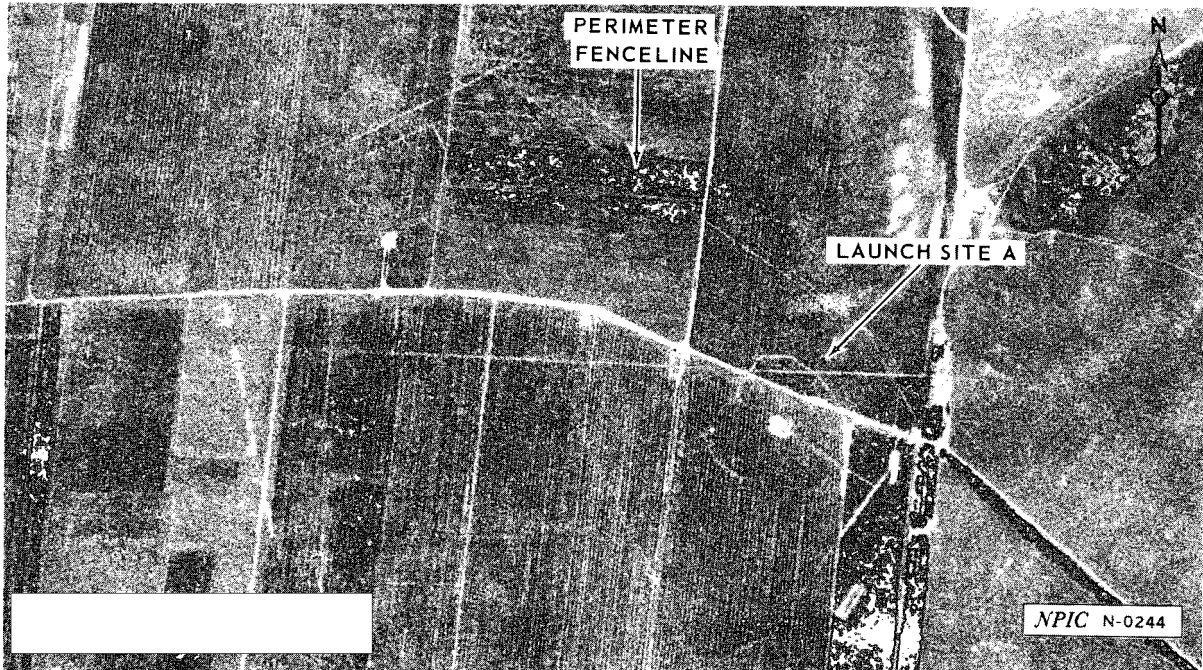


FIGURE 1. ODESSA DM LAUNCH COMPLEX A25-5

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RDA-06/0003/69

**OFFICE OF PHOTOGRAPHIC INTERPRETATION
DEFENSE INTELLIGENCE AGENCY
BASIC IMAGERY INTERPRETATION REPORT**

**NAVAL BASE FACILITIES
NORTH KOREA**

MAYANG-DO SUBMARINE BASE

SEPTEMBER 1968

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GROUP 1
Excluded from automatic
downgrading and
declassification

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PREFACE

This publication has been prepared in accordance with DIA responsibilities for third-phase imagery exploitation under the National Tasking Plan. It has been compiled in response to Basic Readout Requirements and Basic Presentation Instructions as approved by the Committee on Imagery Requirements and Exploitation (COMIREX), U. S. Intelligence Board.

The approximate scale of photography used in the preparation of this report is 1:34,000. Quality of the coverage ranges from fair to excellent. All pertinent imagery available to this agency on the reporting cutoff period of June 1968 has been utilized. Measurements are subject to a probable error of ± 5 feet or 5 percent, whichever is greater.

It should be noted that information contained in this study is derived primarily from interpretation of photographic sources and is not intended to constitute all-source, finished intelligence.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Mayang-do Submarine Base

KN

UTM COORDINATES

52SDV327269

GEOGRAPHIC COORDINATES

39-59-39N 128-12-42E

25X1

MAP REFERENCE

USATC Series 200, Sheet 0380-4HL, 3d ed., Aug 64, Scale 1:200,000 (SECRET)

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LATEST IMAGERY USED

NEGATION DATE (If required)

Not Required

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ABSTRACT

This report is a comprehensive description of Mayang-do Submarine Base, North Korea, from December 1962 to April 1968. Included is a functional analysis of all components of the installation, based on high-resolution photography, and a detailed drawing containing mensuration of each structure, a chronology, an order of battle listing of submarine and ships, and a data reference table.

It is significant to note that numerous housing units have been constructed throughout the island during the past two years.

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INTRODUCTION

Location and Identification

Mayang-do Submarine Base is located on Mayang-do (Island), in the Sea of Japan, approximately 31 nautical miles (nm) ENE of Hamhung and 2 nm south of Sinpo (see Figure 1). The installation is served by a local loose-surfaced, all-weather road.

Mayang-do Submarine Base was operational when first observed in December 1962, and the majority of its facilities had been constructed prior to that time. The base is the oldest of the two identified North Korean submarine bases and is the home port of the two "W" class submarines of the East Sea Fleet. The submarine facility and Mayangdo-ri Naval Repair Yard, developed since 1962, comprise the Mayang-do Naval Complex, which is one of the largest and most important naval facilities in the country.

Environment

The base has a very good natural harbor. The bay averages 2,025 yards in length and 800 yards in width, with depths up to 10 fathoms. Depths for anchorage just off the main pier range from 5 to 10 fathoms. The bottom of the bay is composed of mud and rock.

The terrain is gentle to steep, partially brush-covered hills, with the valleys and some hillsides cultivated. Some excavation for a service road has been performed along the base of a hill that rises from the water's edge to an estimated height of 320 feet. This service road serves the installation and connects it and the naval repair facility at Mayangdo-ri.

Temperatures vary from 10°F in January to 80°F in July. Winters are cold, clear, and dry with very little snow accumulation; however, the harbor may become icebound. Summers are warm, cloudy, and rainy with poor visibility caused by fog and low clouds. 1/

Related Installations

Mayangdo-ri Naval Repair Yard [] is just over the hill, approximately 800 yards west of the installation. Other significant military activities within the vicinity are Sinpo SAM Site A09-2 [] Sinpo Naval Facility [] Soho-ri Army Barracks [] and Chahonodongjagu Port Facilities []

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RDA-06/0003/69

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25X1**BASIC DESCRIPTION****Physical Features**

The lack of security fences precludes establishment of exact limits for the base. It appears, however, to be irregular-shaped and to occupy approximately 50 acres on the west shore of a bay. The majority of buildings/structures that comprise this activity have been constructed in four small valleys.

The principal facilities at the base can be separated into four well-defined functional areas as follows (see Figure 2):

A. Logistical support area, located at the north end of the base. It consists of one pier, six buried POL tanks, two possible cave entrances, two support sheds, two workshops, one probable POL pumphouse, and one probable security shed. The pier is probably concrete; the pier approach is masonry and concrete.

B. Headquarters area, just south of the logistical support area. It contains one probable headquarters, one quarters, one probable utility building, and a probably concrete marginal wharf.

C. Training area, just south of the headquarters sector. It consists of one administration building, three barracks, two support buildings, two support sheds, one storage building, one probable storage building, one messhall, one probable steamplant, one probable workshop, one bunker, and two probable buildings under construction. A service road leads to the bunker; however, the bunker does not appear to be a drive-in type.

D. Storage area, at the south end of the installation. It contains three storage buildings, two probable storage buildings, one possible storage shed, two possible support buildings, and one support shed.

An area with 16 probable housing structures is south of the base, and another possible housing area with approximately 30 buildings is just west of the north end of the installation. Neither area appears to be military associated; they are probably occupied by civilian workers.

Operational Functions

Figure 3 and the associated table on page 7 depict all items observed in the four functional areas listed above.

Security

The hills which surround the bay provide concealment from casual observation by merchant vessels. The only apparent security fence within the facility fronts the valley in the storage area.

Sinpo SAM Site A09-2, on the mainland 2 nm NNE of the submarine base, contains six occupied launch pads. Several AAA sites are located throughout the island, and an inactive site is situated between the training and storage areas. Two occupied, heavy, 6-position AAA sites are emplaced approximately 1,500 yards

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to the east, across the bay. A long trench with numerous revetments is on the summit of the ridge near the AAA sites; several vehicles were observed in the revetments just south of the trench in April 1968. Several support structures in this vicinity are probably associated with the defense of the submarine base.

A lighthouse stands on a ridge overlooking the Sea of Japan, 1 nm east of the base.

Status and Activity

Numerous housing units have been constructed on Mayang-do during the past two years. The reason for this increase cannot be determined at this time.

CHRONOLOGY

Dec 62 Mission [] 128 revealed that the installation was operational. The utility building in the headquarters area and one of the barracks in the training area were under construction. Four probable workers' housing structures, a messhall, and a support building were constructed in the storage area. An occupied AAA site was located on a ridge between the training and storage areas.

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Oct 63 Mission [] 181 showed a new pontoon pier in the training area. Three buildings in the housing area just south of the submarine base were under construction on this mission.

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Nov 64 Church Door Mission C244C revealed construction of a workshop in the logistical support section and the quarters in the headquarters area. The four probable workers' housing structures, the messhall, and the support building had been razed within the storage area and two new storage buildings constructed. All 16 probable workers' housing structures had been completed in the region just south of the storage area.

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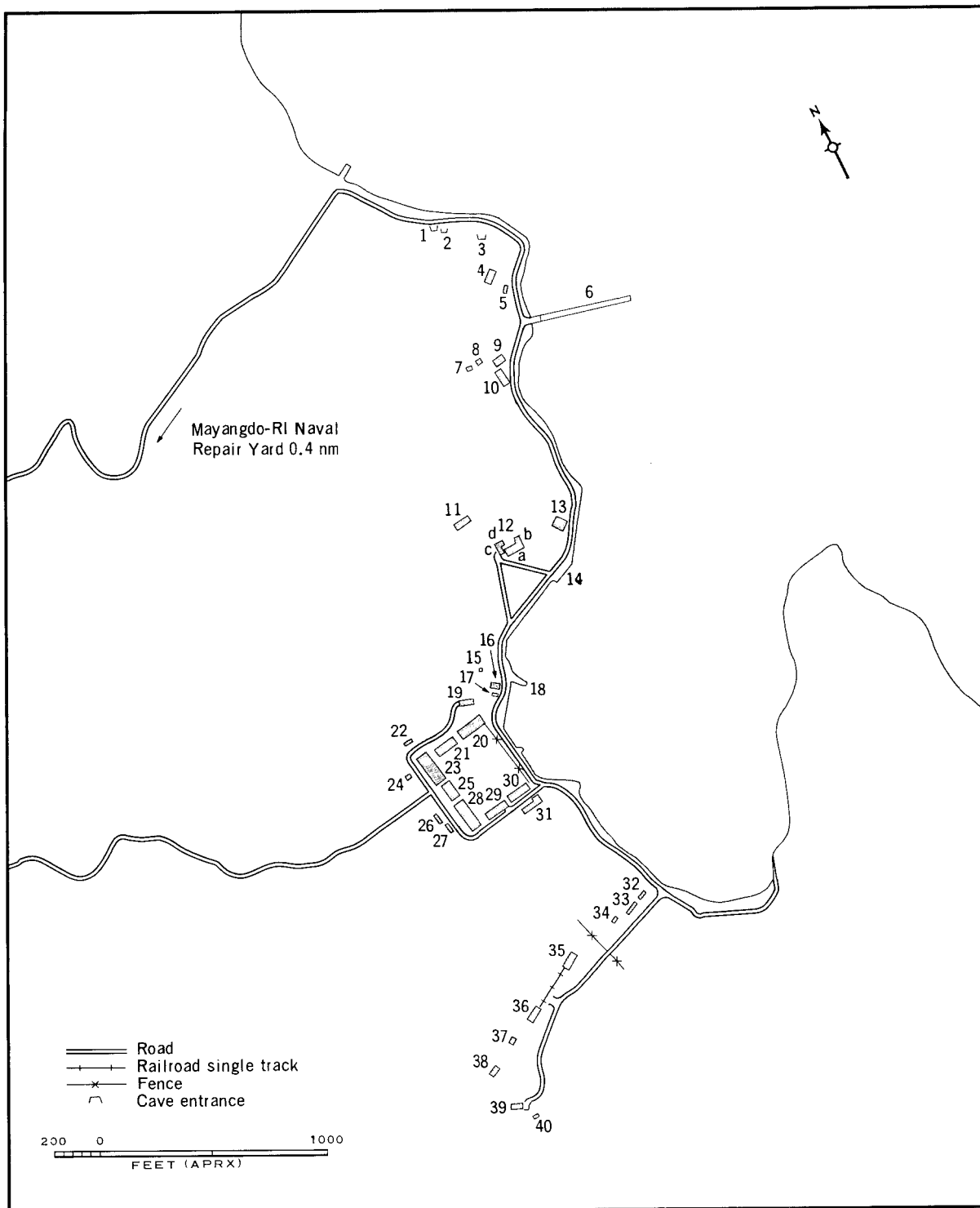


FIGURE 3. DETAILS OF MAYANG-DO SUBMARINE BASE.

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The following functional analysis table is keyed to Figure 3:

Item	Function	Remarks
LOGISTICAL SUPPORT AREA		
1	Prob security shed	--
2, 3	Poss cave entrance	--
4	Buried POL tnks	6 tnks
5	Prob POL pumphouse	--
6	Pier	w/2 poss security sheds
7	Spt shed	--
8	Spt shed	--
9	Workshop	Drive-in bldg w/gable roof
10	Workshop	w/gable roof
HEADQUARTERS AREA		
11	Quarters	--
12	Prob hq	--
		--
		--
13	Prob utility bldg	w/stack adj to bldg; small monitor on roof
14	Marginal wharf	--
TRAINING AREA		
15	Spt shed	constr in 1967
16	Prob workshop	constr in 1967
17	Spt shed	constr in 1967
18	New fill	--
19	Bunker	w/2 entrances
20	Messhall	--
21	Barracks	--
22	Stor bldg	w/gable roof
23	Spt bldg	poss classrooms
24	Prob bldg UC	--
25	Admin bldg	--
26	Prob stor bldg	w/gable roof
27	Prob bldg UC	--
28	Spt bldg	poss classrooms
29	Barracks	--
30	Barracks	--
31	Prob stmpl	--
STORAGE AREA		
32	Poss spt bldg	w/prob cistern nearby
33	Poss spt bldg	w/3 UI objects on back of bldg
34	Prob stor bldg	--
35	Stor bldg	w/gable roof; RR tracks lead to item 36
36	Stor bldg	w/gable roof
37	Poss stor shed	w/gable roof
38	Prob stor bldg	w/gable roof
39	Stor bldg	w/gable roof
40	Spt shed	--

Note: Sections a & b of building 12 are 2-story; all other structures are single-story.

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REFERENCE DATA

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MAPS

USATC 200, Sheet 0380-4HL, 3d ed., Aug 64, Scale 1:200,000 (SECRET)

USATC 200, Sheet M0290-24HL, 4th ed., Apr 68, Scale 1:200,000 (SECRET)

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AMS Series L751, Sheet 6833 IV, ed. 5, Jul 59, Scale 1:50,000 (UNCLASSIFIED)

AMS Series L751, Sheet 6834 III, ed. 5, Nov 59, Scale 1:50,000 (UNCLASSIFIED)

DOCUMENT

1. NIS No. 41, Korea, Sec 23 (Rev), Weather and Climate, Jan 68 (FOR OFFICIAL USE ONLY)

RELATED DOCUMENT

NPIC Mayang-do Naval Complex, North Korea, Dec 67 (TOP SECRET RUFF)

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*The photograph in Figure 2 was derived from this mission.

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